

Response to Election of Species Requirement
Application No. 10/604,891
Attorney Docket No. 031032

AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions of claims in the application.

- 1-16. (Cancelled)
17. (New) A semiconductor device including a gate having a gate insulation film and a gate electrode, a source, and a drain, said semiconductor device comprising:
 - a sidewall film covering contacting a side surface of said gate; and
 - a low permittivity region locally provided at a lower portion of the side surface of said gate with the low permittivity region being covered by said sidewall film,
 - wherein said gate insulation film and a lower end of said gate electrode have a same width as each other;
 - wherein said low permittivity region is less than 40 nm in height and width;
 - wherein said sidewall film includes;
 - a first film directly formed at an upper portion of said side surface of said gate, and
 - a second film formed on said first film to directly contact said low permittivity region directly formed at the lower portion of the side surface of said gate;
 - wherein said gate electrode has a nearly rectangular shaped section.
18. (New) The semiconductor device according to claim 17 wherein said low permittivity region is made of a lower permittivity material as compared to said sidewall film.
19. (New) The semiconductor device according claim 17, wherein said low permittivity region is a cavity.